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1976-79
Yamaha XS750, Special
Windjammer IV Vindicator II
Mounting Instructions

Dear Vetter Owner:

These instructions explain the procedure required to mount either the Windjammer IV or Vindicator II fairing to your motorcycle. We urge you to follow the preparation and assembly sequence from start to finish. This will benefit you directly in several ways: 1) You will be assured the fairing is properly installed and is immediately ready for operation. 2) You will minimize unnecessary confusion, moaning and scraped knuckles. 3) You will protect your investment by doing it right, and 4), with the confidence that nothing has been overlooked, you won't have to waste time backtracking to correct mistakes. That's time you could spend riding.

Thanks for buying Vetter products. We appreciate your business and comments.

Sincerely,

The folks at Vetter

NOTE TO DEALERSHIP PERSONNEL: If you are installing the fairing, we ask that you adhere to this procedure. Following these instructions will help ensure that your customer remains a customer.

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WARNING THIS BRACKETING AND THESE INSTRUCTIONS WERE DESIGNED SOLELY FOR USE IN MOUNTING THE VETTER WINDJAMMER IV AND VINDICATOR II FAIRINGS TO THIS SPECIFIC MOTORCYCLE. IF YOU ARE UNABLE TO DETERMINE IF THIS HARDWARE IS FOR YOUR MOTORCYCLE, CONTACT YOUR DEALER. IF YOUR DEALER IS UNAVAILABLE, CONTACT THE CUSTOMER SERVICE DEPARTMENT, VETTER CORPORATION, 1150 LAUREL LANE, SAN LUIS OBISPO, CA 93401 (805) 541-2900. THESE INSTRUCTIONS CONTAIN VALUABLE INFORMATION FOR FUTURE REFERENCE. THEY MUST BE GIVEN TO THE CUSTOMER.

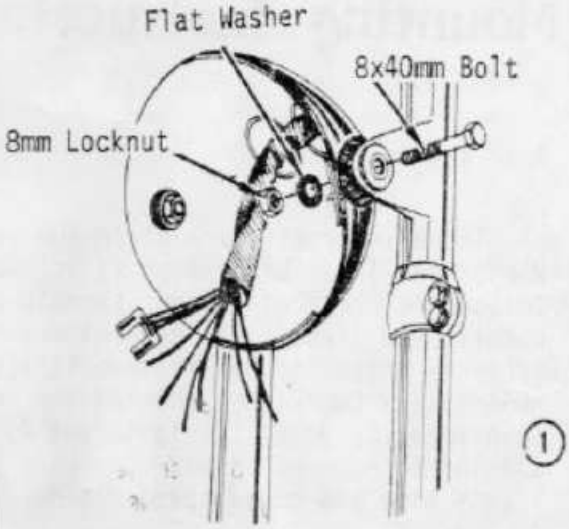
prepare the motorcycle

1. Put the motorcycle on its centerstand.

2. Remove the reflectors. Detach the two phillips screws in the headlight rim. Disconnect and remove the headlight.

3. Disconnect the turn signal wires and remove the turn signals.

4. Remount the headlight shell using the provided 8x40mm bolts, flat washers and lock nuts. (Illus. 1)



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NOTE: While it is not necessary to remove the gas tank to mount the fairing, you may want to do so to prevent scratching the tank during the installation. If you choose not to remove the tank, we suggest you cover the front portion with a cloth. Instructions for removal are....

5. Open the seat. Remove the bolt at the rear of the tank. Raise the tank slightly and disconnect the fuel and vacuum lines from the petcock. Remove the tank.

electrical connections

1. Route the Vetter wiring harness between the frame and left fork tube. Insert the wiring harness through the rear of the headlight shell and attach the 3-prong plug to the motorcycle's headlight socket. (Illus. 1)

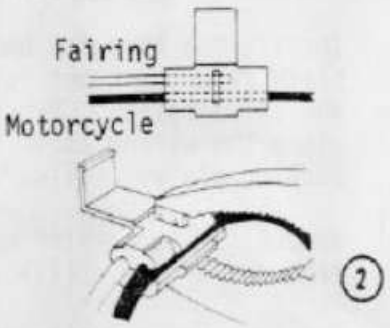
2. Connect the remaining wires following the color code below:

Fairing Wire	Function	Bike Wire
Violet	Left Turn Signal	Brown
Blue	Right Turn Signal	Olive Green
Green	Running Lights	Blue
Red	Cigarette Lighter	Light Brown
Brown	Accessory (horn option)	Battery Wire (+)
Orange	Accessory (horn option)	Pink

CAUTION THE ORANGE, BROWN AND RED FAIRING WIRES ARE CONNECTED AS ABOVE ONLY FOR THE ACCESSORIES LISTED. ANY WIRING NOT USED SHOULD BE COVERED AT THE END WITH ELECTRICAL TAPE. IF YOU DECIDE TO USE THESE WIRES FOR OTHER ACCESSORIES, MAKE SURE YOUR MOTORCYCLE'S ELECTRICAL SYSTEM WILL TOLERATE THE EXTRA CURRENT DEMAND.

Plug the male bullets into the appropriate female connectors. Gently pull all connectors to make sure they are tight. If not, crimp the outside of the connectors with wire crimpers or pliers after the connection is made.

For wires without connectors, use the provided blue connectors as shown. (Illus. 2)



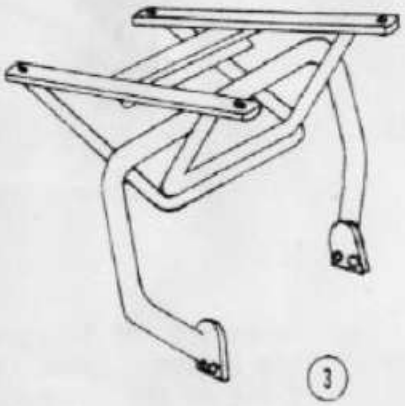
(2)

- Snap the blue connector over the appropriate motorcycle wire.
- Insert the appropriate fairing wire into the other hole. The wire will not go all the way through the connector.
- Squeeze the metal tab down flush with the top of the connector.
- Fold the plastic lid down and snap it shut.

3. Cover the headlight shell with the plastic cover provided.

engine guards

NOTE: Before mounting your fairing hardware with an engine guard, check to see that the mounting bracket can be attached securely to the frame without interference from the engine guard.


(3)

1. Mark the position of the upper engine guard mount on the motorcycle frame.
2. Remove the engine guard and position the mounting hardware on the frame. The hardware should clear all marks that locate the upper engine guard mount.

WARNING IF IT IS OBVIOUS THAT THE MOUNTING BRACKET AND ENGINE GUARD CANNOT BE USED TOGETHER, DO NOT ATTEMPT TO MOUNT THE FAIRING WITH THE ENGINE GUARD. IF THERE IS NO APPARENT INTERFERENCE, CONTINUE WITH THE APPROPRIATE SECTION. DO NOT CUT OR MODIFY THE BRACKET.

install mounting bracket

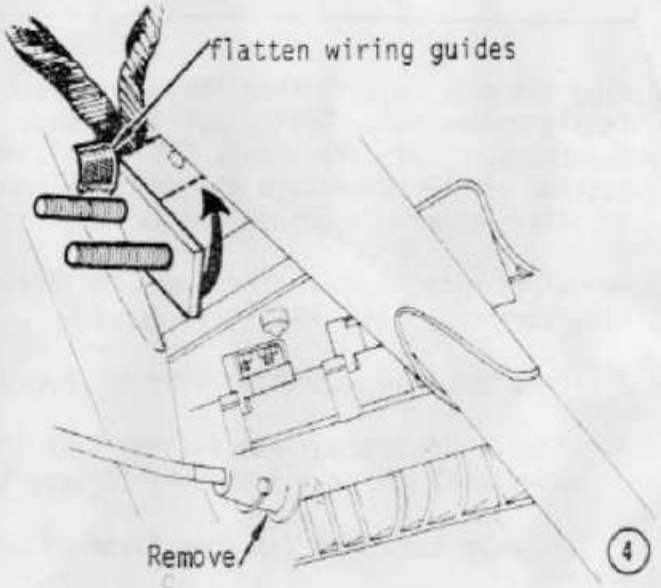
1. Remove the two wiring harnesses from their guides, bending the wiring guides upwards and flat against the frame. Drape the wiring out of the way.

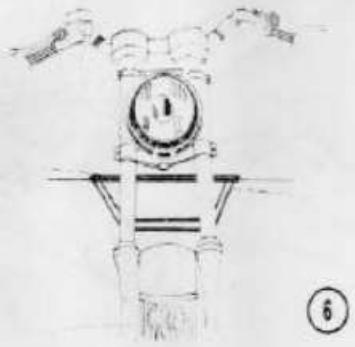
2. Install the hardware backing plate from the front following the illustration. Be sure to place the wiring above the backing plate. (Illus. 4)

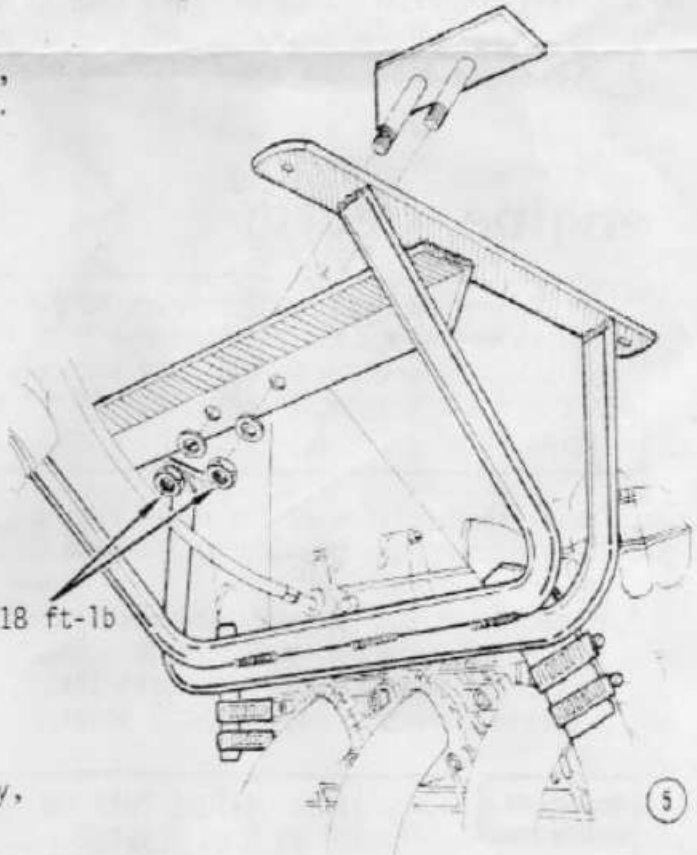
3. Remove the tachometer cable from the engine. (Illus. 4)

4. Position the mounting bracket on the studs and frame down tubes. Secure the bracket loosely to the frame members with the 8mm washers, lock nuts and mounting clamps. (Illus. 5)

5. Check the bracket for horizontal alignment by viewing it from the front of the motorcycle. To adjust, tap the bracket to a level position. (Illus. 6)







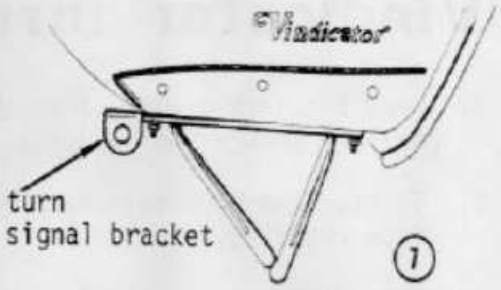
6. Reconnect the tachometer cable to the engine. Route the cable in front of the bracket crossbar. (Illus. 5)

7. Tighten the mounting clamps securely, then tighten the stud nuts in an alternating pattern to 18 ft-lb.

mount the fairing

NOTE: If you are planning to install Vetter color inserts, they should be applied before the fairing is installed.

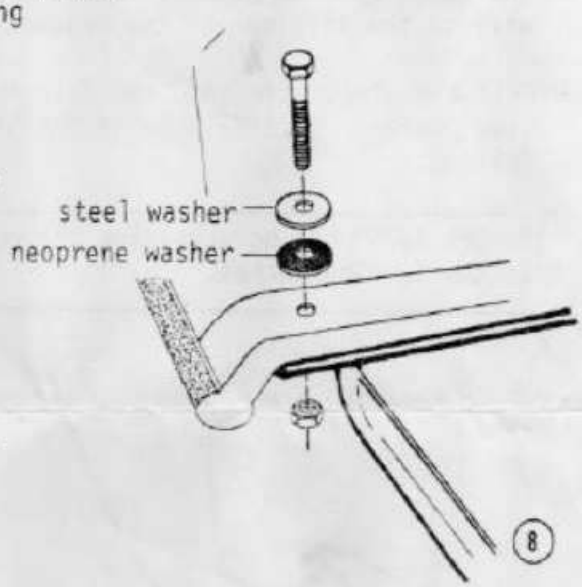
If you are installing the optional horn, refer to the instructions packaged with the horn kit. If not, proceed with the following steps.



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VINDICATOR ONLY: Place the turn signal brackets on the support shelves. Tape the brackets in place to prevent movement when the fairing is being installed. (Illus. 7)

2. Set the fairing on the mounting bracket, install four mounting bolts through the holes and install washers and lock nuts on the bolts. (Illus. 8)



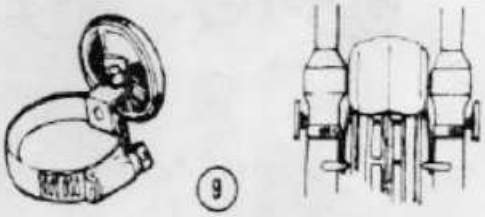
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3. Before tightening the nuts, plug the external wire harness into the fairing at the serial number plate. Check all electrical components before continuing. Refer to the Troubleshooting section of your Owner's Manual if problems arise.

4. Now tighten the four bolts enough to slightly compress the neoprene washers.

5. Fit the reflectors to the mounting clamps with the 6mm nuts provided.

6. Install each assembly on the fork slider as shown. (Illus. 9)


9

Refer to your Owner's Manual for windshield mounting instructions and final adjustments.

We suggest you insert these instructions in the Owner's Manual for future reference.

Vindicator turn signals

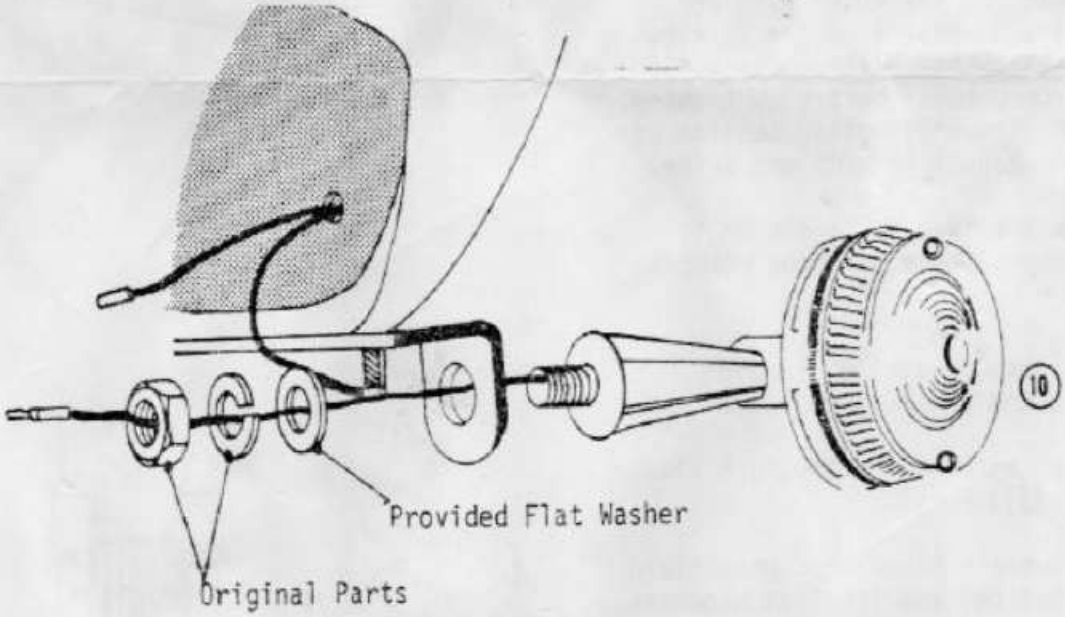
1. Feed the turn signal wires through the mounting bracket, flat washer, lock washer and nut. (Illus. 10)

2. Tighten the mounting stalk enough to keep the turn signal from rotating.

3. Connect the turn signal wires to the fairing wires following the color code on page 2. Connect the fairing's black ground wire to the terminal on the bracket.

4. Pull the slack wire into the fairing by reaching through the side pocket. Carefully twist the wires to keep them inside the fairing.

NOTE: The XS750 has no provision for running lights. Pull the green fairing wire into the fairing pocket.



USE THIS SCALE TO CHECK BOLT AND WASHER DIMENSIONS

Metric Scale mm 10 20 30 40 50 60 70 80 90 100 110 120 130 140

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WINDJAMMER IV - VINDICATOR II

YAMAHA XS750, Special

MOUNTING HARDWARE
Packing List

PART #	DESCRIPTION	WJ IV	VIN II
15 001 0143	Hardware Bag	1	1
13 003 0101	Wiring Harness	1	1
13 005 0006	Blue Connector Bag	1	1
13 005 0002	Blue Connector #6127	3	3
17 020 0002	6" Tyrap	2	2
14 010 0143	Mounting Instructions	1	1
15 013 0101	Reflector Clamp Bag	1	1
15 013 0102	Right & Left Reflector Clamp	2	2
17 026 0002	5mm Lock Nut	2	2
17 026 0003	6mm Lock Nut	2	2
17 001 0016	Mounting Bolt Bag	1	1
17 005 0009	6mm Flat Washer	4	4
17 005 0013	Neoprene Washer	4	4
17 024 0008	6x35mm Bolt	4	4
17 026 0003	6mm Lock Nut	4	4
17 017 0001	Hose Clamp	2	2
17 024 0009	8x40mm Bolt	4	4
17 026 0004	8mm Lock Nut	2	2
17 027 0002	8mm Flat Washer	4	4
17 027 0003	8mm Washer	1	1
15 016 0042	Mounting Bracket	1	1
18 005 0102	Headlight Cover		1
15 001 0615	Turn Signal Bracket Kit		2
17 005 0002	6mm Flat Washer		1
15 006 0314	Left Turn Signal Bracket		1
15 006 0317	Right Turn Signal Bracket		